Reproducible research with R

June 10, 2013

Part I

1. **Introduction**
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   - Tools needed
2. **Version control**
   - Interest of version control
   - Multiple users, single user
   - Version control depository
3. **Version control with R**
   - Setting up the project
   - example

Part II

4. **Introduction**
   - Report generation
   - Tools

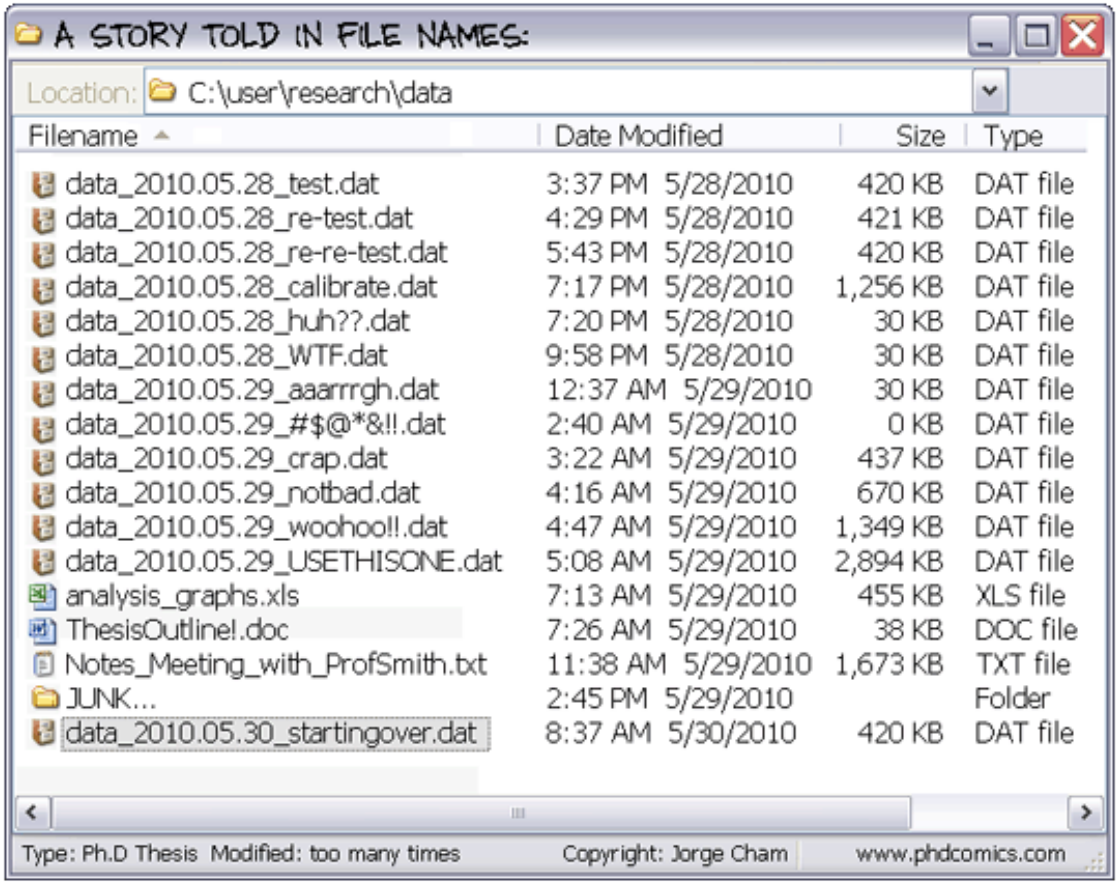
5. **Markdown - HTML output**

6. **LateX - PDF output**

Part I

General concepts
Version control

A common problem



Not only with data, but also with scripts

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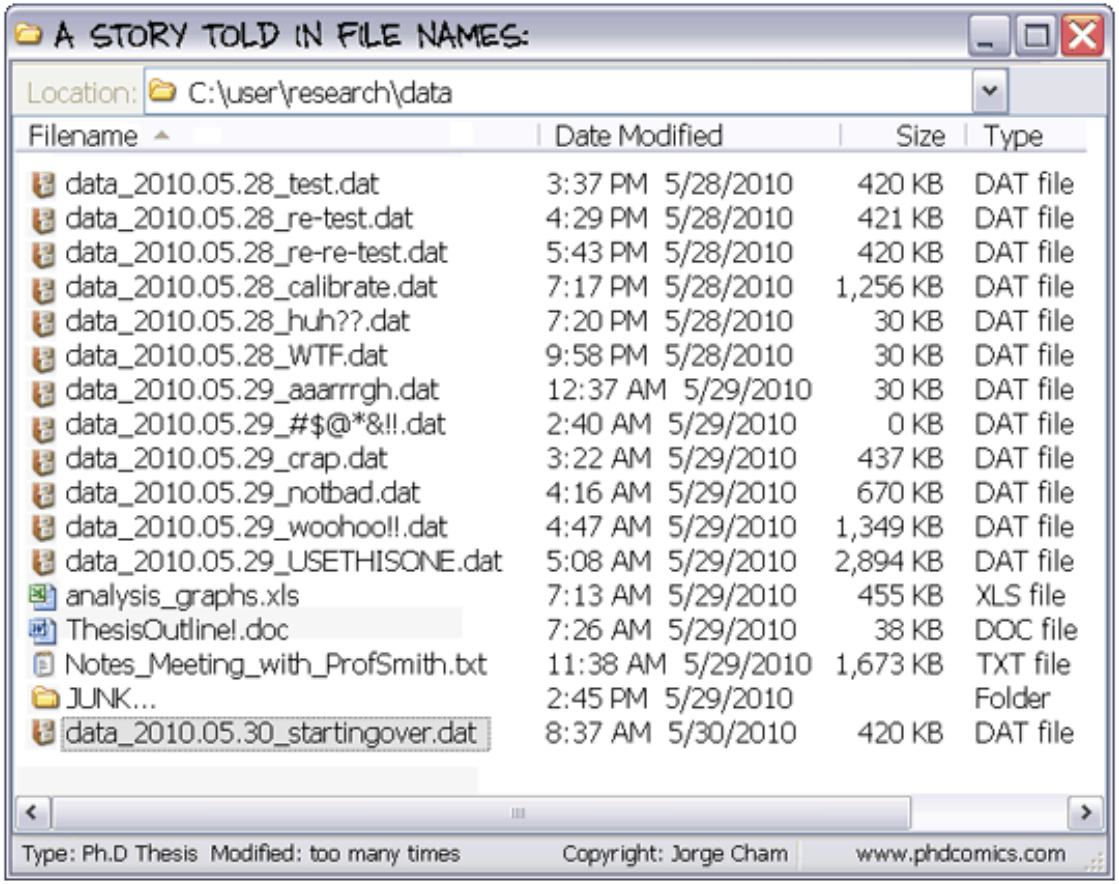

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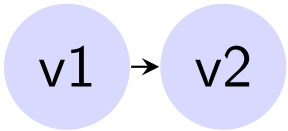

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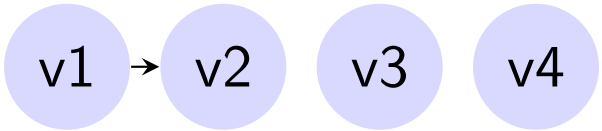

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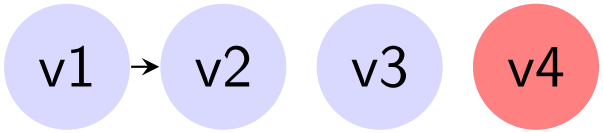

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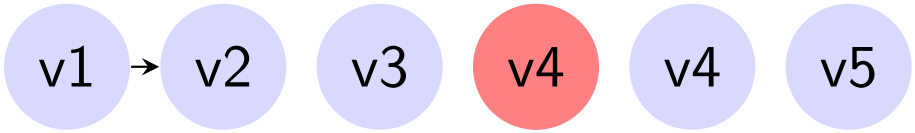

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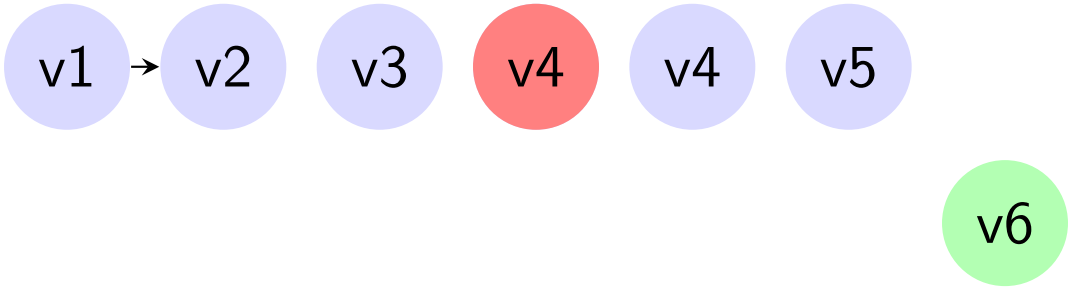

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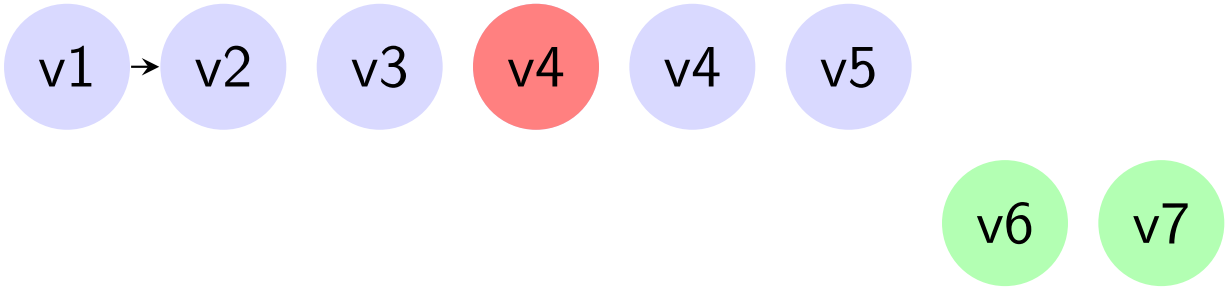

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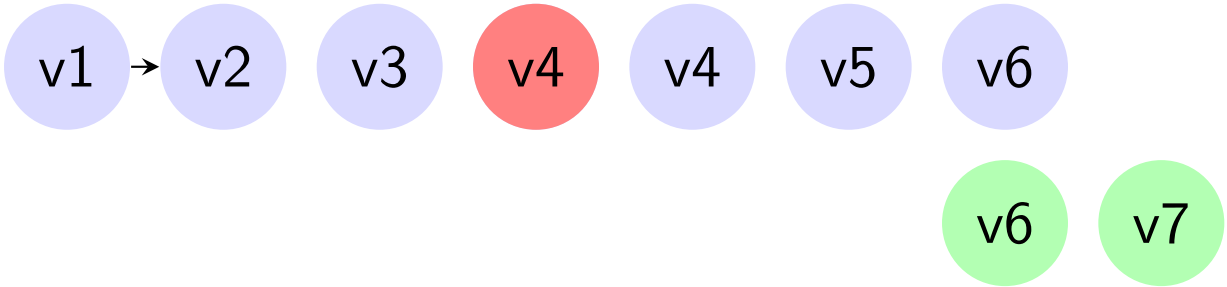

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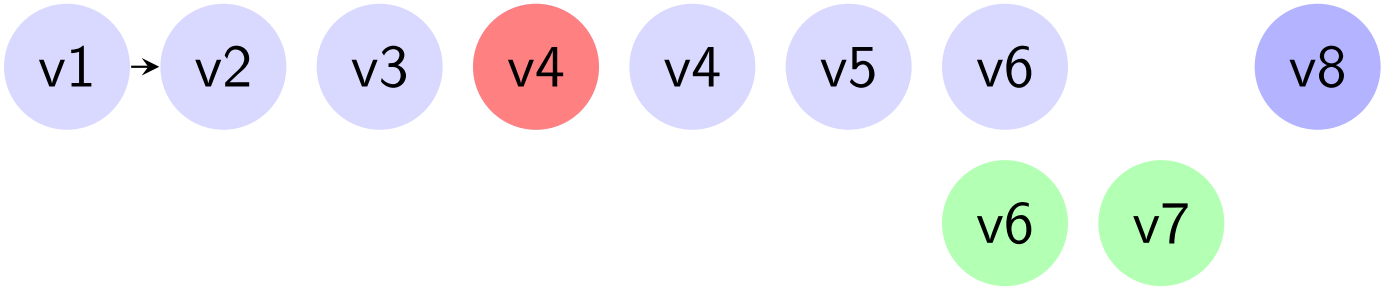

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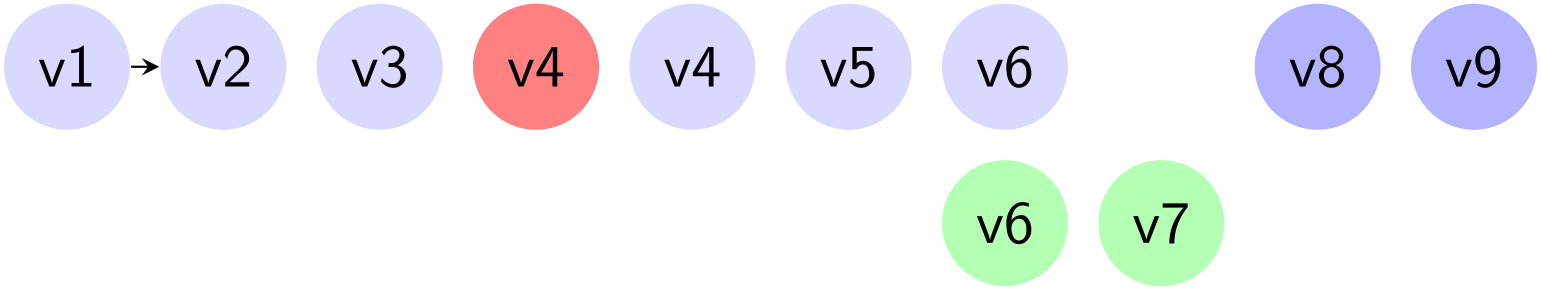

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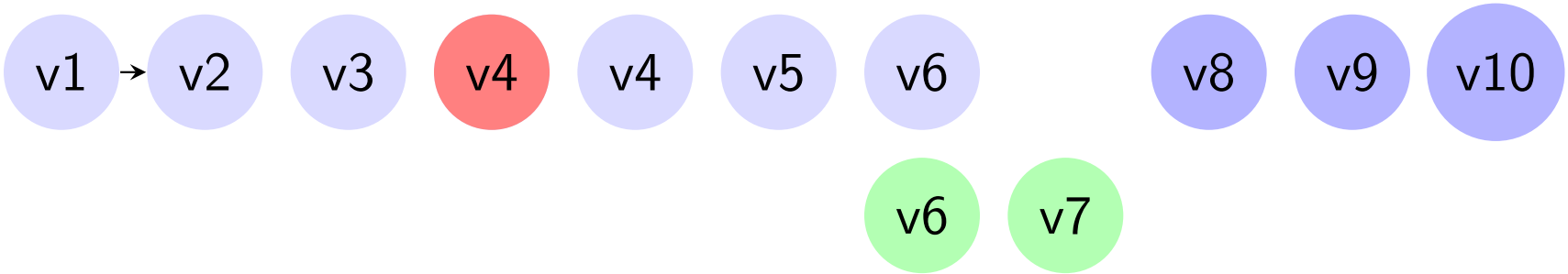

Example of project structure

blabla

Keeping track

What reproducibiity means

useful links and references

data : from http://ocean.ices.dk/HydChem/HydChem.aspx?plot=yes

Part II

Report generation with R
Figures with make

useful links and references